

ABSTRACT

When a raw water to be filtered ~~c~~ is fed from a raw water tank 11 reserving a raw water (water to be treated) ~~(a)~~ to a membrane module by a raw water pump P1, an activated carbon raw material supplied from an activated carbon tank 21 is milled together with water to be mixed ~~(d)~~ by a wet milling device 22, and added and mixed into the raw water tank 11 as an aqueous suspension containing activated carbon fine particles having an average particle size of 0.1 μm to 10 μm , thus producing the raw water to be filtered (activated carbon-containing water to be treated) ~~(e)~~. The raw water to be filtered (activated carbon-containing water to be treated) ~~(e)~~ is filtered by the membrane module at a subsequent step, thereby obtaining a purified water ~~(b)~~.